

In the claims:

1. (Currently Amended) A container comprising:

a base portion forming a first chamber and a second chamber for retaining fluid and connected by a bridge that allows fluid in said first chamber to flow to said second chamber when said container is in a predetermined orientation;

wherein ~~one of~~ said second chamber chambers includes a narrow bottom portion and a sloped helical floor portion at least partially surrounding said first chamber and arranged to direct said fluid to said bottom portion,

a lid covering said first and second chambers that cooperates with said bridge to provide a passage for said fluid and including access means for providing sterile access to said first and second chambers,

a floating divider in said first chamber configured to assume automatically a predetermined position in said first chamber with respect to components of said fluid when said fluid is undergoing centrifugal separation in said first chamber, and

a cam surface for orienting the container when engaging a frame element of a centrifuge.

2. (Cancelled)

3. (Cancelled)

4. (Currently amended) A container according to claim ~~[[3]]~~ 1 wherein said ~~orienting means~~ cam surface comprises a skirt extending from the bottom of ~~said one of~~ said chambers.

5. (Currently amended) A container according to claim ~~[[2]]~~ 1 wherein said cam surface comprises ~~further comprising~~ a helical skirt extending downward from ~~said one of~~ said chambers.

6. (Currently amended) A container according to claim 1 wherein said first and second chambers are connected by a bridge and ~~said container further comprises a lid covering said first and second chambers,~~ said lid having comprises a raised portion that covers said first chamber and a recessed portion that covers said second chamber and an intermediate wall that forms a passage with said bridge for receiving said fluid.

7. (Cancelled)

8. (Currently amended) A container according to claim [[7]] 1 wherein said access means comprises a first access port in said raised portion and a second access port in said recessed portion.

9. (Cancelled)

10. (Currently amended) A container according to claim [[9]] 1 wherein said floating divider is cylindrical and includes an opening allowing passage of fluids during centrifugation.

11. A container according to claim 10 wherein said floating divider includes a protuberance having said opening therein.